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251 257 259 263 267 278 316 318 342 381 398 402 403 408 409 414 415
42- 435 450 497 528 529 532 537 551 567 57- 573 633
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KS - 0045 0211 0226 0231 1989 2280 2310 2318 2380 2386 2393 2451 2509 2518
2575 2635 2677 2780
MC - A03-A A11-B04C A12-P01A A12-S06 A12-W09 D03-H02F
PA - (MITR) MITSUBISHI RAYON CO LTD
PN - JP4089841 A 19920324 DW199218 005pp
PR - JP19900206693 19900803
XA - C1992-068352
XIC - B29C-047/00 ; C08J-005/18 ; C08L-005/00
AB - J04089841 The film is made of a compsn. comprising a water-soluble polysaccharide, a polyol and water. It contains less than 25 wt.% water and has a wt. ratio of polyol to water-soluble polysaccharide of 0.2:1.
- It is prep'd. as follows: a soln. of a water-soluble polysaccharide in a water medium contg. 0.2-20 wt.% of a polyol is formed to give a tubular material; the tubular material is dried to give a water content of less than 25 wt.% and a wt. ratio of polyol to water-soluble polysaccharide of 0.2:1 and coagulated to give an insoluble tubular polysaccharide film; or at least one side of the tubular material is contacted with a coagulating liq. and coagulated to give the insoluble tubular polysaccharide film.
- The polysaccharide is e.g. alginic acid or kappa-carrageenan. The polyol is e.g. glycerine or sorbitol. The coagulating liquid is e.g. KCl water soln.
- USE/ADVANTAGE - The tubular polysaccharide film is used as a food packaging film. It is edible casing material.
- In an example, a soln. comprising 7 pts.wt. of kappa-carrageenan, 3 pts.wt. of glycerine, 2 pts.wt. of sorbitol and 100 pts.wt. of water was extruded through a tube nozzle to give a tubular material. Both sides of the tubular material were contacted with KCl water soln. for 5 secs. and dried to give a tubular carrageenan film with a water content of 20 wt.% and a tensile strength of 4.0 kg/mm². (0.0)
- (Dwg.0/0 0 g. o)
IW - TUBE POLYSACCHARIDE FILM EDIBLE FOOD PACKAGE COMPOSE WATER SOL POLYSACCHARIDE ALGINIC ACID KAPPA CARRAGEENAN POLY OL GLYCEROL SORBITOL WATER
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NC - 001
OPD - 1990-08-03
ORD - 1992-03-24

PAW - (MITR) MITSUBISHI RAYON CO LTD

TI - Tubular polysaccharide film for edible food packaging - composed of water-sol. polysaccharide e.g. alginic acid or kappa-carrageenan, poly:ol e.g. glycerine or sorbitol and water